NSFA Issues

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- New IAU Constants?
- How to Maintain CBEs?
- How to Handle Documentation?
- How Does Electronic Information play a role?
- Changes in CBEs?
- Reference for Constants?
- RIFA/units?
- Additional Information for Constants?
- Meeting at IAU General Assembly?
- What do we do from here?

New IAU Constants?

- Consensus is yes; Any dissent?
- Do we need to define users of Constants vs. users of CBEs?
- What accuracy of Constants?
  - Do we provide fewer decimal places?
    - Enhances compatibility and longevity
    - Degrades values
- Are the constants published on paper or kept electronic?

How to Maintain CBEs?

- Who to talk to at the IAU?
  - May have allies with SOFA and Cartographic Coordinates WG
  - Proposal to IAU Division I President (J. Vondrák)
    - Vondrák find allies in IAU (President of Division III?), begin discussion with IAU General Secretary (K. van der Hucht)

How to Handle Documentation?

- Need to provide background information for users
  - Is it sufficient to provide references?
  - Does additional information need to be provided in the recommendations?

How Does Electronic Information Play a Role?

- Is everything written in the recommendations
- Is it acceptable to provide links to electronic information?
- While it is unlikely that the Constants will be electronic only, would it be acceptable for CBEs to be electronic only?
  - If so, what form?
    - Web page?
    - Wiki-like resource?

Change in CBEs?

- Should we define au and estimate GM_S?
- Should we define GM_S and estimate au?
- What are the implications of eliminating k from the list?
- Change in W_0?
- Change of theta in UT1

Reference for Constants?

- What level is sufficient for accepting the reference for constants?
  - Electronic only (personal correspondence)?
  - Non-refereed proceedings?
  - Refereed journal only?
  - Include original reference for value?

RIFA/units?

- What is the correct terminology for units?
  - TDB-like?
  - TDB-compatible?
  - TDB-scaled?
- Should values for multiple “scaled-quantities?

Additional Information for Constants?

- Explicitly say which are primary, derived, etc.?

Meeting at General Assembly?

- Call for arranging meetings at the General Assembly is due 1 November.
  - Do we request meeting?
  - If so, how long?

What do we do from here?

- Reserve room for IAU GA (29 October 2008)
- Draft Journées article (1 November 2008)
- Draft IAU Recommendations (1 December 2008)
  - Adopt CBEs as new IAU Constants
  - Create mechanism for maintaining CBEs
- Provide draft recommendations to IAG, IUGG, IERS, others? for comment (1 March 2009)
- Provide draft recommendations at IAU Symposium (27 April-1 May 2009)
- Submit recommendations to IAU (1 May 2009)
- IAU General Assembly (3-14 August 2009)